

L. *Track of His Majesty's armed Brig Lion from England to Davis's Streights and Labrador, with determining the Longitude by Sun and Moon and Error of Common Reckoning; also the Variation and Dip of the Needle, as observed during the said Voyage in 1776. By Lieutenant Richard Commander of the said Vessel; communicated by Nevil Maskelyne, D. D. F. R. S. and Astronomer*

N. B. The day is set down according to the log-book.

Days of the Month.	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	Therm. in the shade.	Error of common reck.	As read off quadrants		Distance observed.	Azimuths.	Variations.	N ^o of obs.	Errors of quadrant.	Winds.	Remarks.	
							° ' s alt.									
							° ' s alt.	° ' s alt.								
June	20 0 8	N 49 20	W 6 26	W 6 36	61	0 10	36 32 40	L.L. 42 55 40	61 16 30	NW	W	3	D alt. + 1 D - 1	S	Scilly isles	
	Noon.	49 23 A	7 5	7 15	61	0 10	-	-	-	-	-	-	-	S	Lizard East	
	11 Noon.	49 20 A	8 36	9 3	63	0 27	-	-	-	-	-	-	-	NW	Equally wit	
	12 7 P.M.	49 12	9 25	9 52	-	-	6 48 20	-	-	37 46	24 21	3	-	NW	} An unfte compar	
	D° nearly.	49 12	9 26	9 53	-	-	4 25 0	-	-	34 37	24 39	6	-	-		
	Noon.	48 3 A	10 9	10 58	62	0 49	-	-	-	-	-	-	-	NW	Under cour	
	13 Noon.	46 55 A	11 0	12 14	61	1 14	-	-	-	-	-	-	-	WSW	Much rain,	
	14 Noon.	47 8 *	11 22	12 37	61	1 15	-	-	-	-	-	-	-	WSW	Strong gale	
	15 Noon.	47 59 *	12 12	13 43	60	1 31	-	-	-	-	-	-	-	SW	More mode	
	16 Noon.	48 22 *	13 36	15 33	62	1 57	-	-	-	-	-	-	-	WNW	Moderate a	
	17 Noon.	49 13 *	14 21	16 29	61	2 8	-	-	-	-	-	-	-	SW	Little wind	
	7 P.M.	49 33	14 20	16 28	-	-	15 50 0	-	-	48 30	-	3	-	-	These I hav	
	18 7 P.M.	49 33	14 20	16 28	-	-	15 35 0	-	-	55 40	-	3	-	NE	A fine plea	
	Noon.	50 11 *	15 59	18 33	60	2 34	-	-	-	-	-	-	-	-	-	
	19 Noon.	50 45 *	16 50	19 37	62	2 47	-	-	-	-	-	-	-	-	SE	Fine weath
	20 Noon.	52 2 A	19 5	22 31	59	3 26	-	-	-	-	-	-	-	-	SW	Hazy at tir
								L.L.								
	21 7 31 0	52 30	18 42	22 27	-	3 45	5 31 50	32 6 50	54 1 50	-	-	-	6	D - 2 50	-	} Consider Sun the clear.
		52 30	19 10	22 27	-	3 17	4 13 0	30 10 10	54 1 30	-	-	-	6	D - 1 0	-	
	Noon.	53 21 *	19 16	22 50	57	3 34	-	-	-	-	-	-	-	-	NW	Coming on
								L.L.								
	22 3 38 24	53 27	19 45	22 55	-	3 10	39 20 40	46 37 40	63 50 55	-	-	-	6	-	-	} The log last agre
	2 53 40	53 27	19 37	22 55	-	3 18	45 35 6	43 53 26	63 35 26	-	-	-	9	-	-	
	Noon.	53 45 A	18 16	22 8	58	3 42	-	-	-	-	-	-	-	-	WNW	Strong gale
	23 Noon.	54 53 A	16 53	21 8	59	4 5	-	-	-	-	-	-	-	-	WNW	Strong g
	24 Noon.	55 36 *	14 30	19 47	61	5 17	-	-	-	-	-	-	-	-	NW	fatt to t
								U.L.								
	25 4 6 20	55 25	13 54	19 50	-	5 56	34 55 10	26 47 0	96 50 0	-	-	-	6	D + 8 30	-	} Dip Face E. Face W. Face W. Face E.
	4 14 8	55 25	14 6	19 50	-	5 44	33 50 30	27 27 0	96 53 25	-	-	-	6	D + 8 30	-	
	4 35 32	55 25	13 58	19 50	-	5 52	30 52 10	29 8 30	97 0 55	-	-	-	6	D + 8 30	-	
Noon.	56 18 *	14 25	20 8	59	5 43	-	-	-	-	-	-	-	-	WNW	Fine Day.	
26 Noon.	57 18 *	14 40	20 10	58	5 30	-	-	-	-	-	-	-	-	NNW	Moderate	
							U.L.									
27 5 33 56	57 15	15 32	20 26	-	4 54	22 47 20	17 44 20	119 56 5	-	-	-	6	D + 1 30 D - 1 0	E	} A very good Foggy w of N smooth	
Noon.	57 4 *	16 31	21 7	58	4 36	-	-	-	-	-	-	-	-	NW		
28 Noon.	56 38 *	17 44	22 20	61	4 36	-	-	-	-	-	-	-	-	N	} Calm; tried 320 fathoms; two miles fathoms; time saw of land not about 19 n for bore aw	
29 3 P.M.	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Noon.	57 0	18 2	22 38	58	4 36	-	-	-	-	-	-	-	-	SW	Swell from	
30 Noon.	57 52 A	21 32	26 8	58	4 36	-	-	-	-	-	-	-	-	SE	Carried aw	

*with Observations for
variation of the Compass
Richard Pickersgill, late
Commander Royal.*

Remarks, &c.

city isles about North of us.

Lizard East of us.

qually with rain; a great swell

An unsteady sea, though the
compass stood pretty well.

Under courses.

Much rain, &c.

Strong gales with rain.

More moderate.

Moderate and clear; a great swell

little winds and clear weather.

These I have not worked.

A fine pleasant day.

Fine weather.

Hazy at times.

Considering the height of the
Sun these not bad ones; air
clear.

Coming on to blow hard.

The log between these and the
last agrees pretty well.

Strong gales.

Strong gales, vessel drifts very
fast to the Eastward.

Dip.

Face E. mark up,	76 30	} 75
Face W. ditto,	75 0	
Face W. markdown,	74 0	
Face E. ditto,	74 30	

Fine Day.

Moderate weather.

A very good set.

Foggy weather, like the banks
of Newfoundland, water
smooth.

Calm; tried soundings, and got ground at
320 fathoms; drifted to the N.E. about
two miles, and sounded again in 290
fathoms; fine white sand: at the same
time saw a flag, gulls, and other signs
of land not far from hence. By running
about 19 miles NE by N. lost soundings,
so bore away, calling it the Lion's Bank.

Swell from the Southward.

Carried away the fore-yard.

uly	30	Noon.	57 0	18 2	22 38	58	4 36	-	-	-	-	-	-	-	-	-	-	-	SW	U to bore aw Swell from
		Noon.	57 52 A	21 32	26 8	58	4 36	-	-	-	-	-	-	-	-	-	-	-	SE	Carried aw
	1	Noon.	58 25 *	25 31	30 2	54	4 31	-	-	-	-	-	-	-	-	-	-	-	SSW	S.W. swell
	2	P.M.	58 25	26 10	30 41	-	-	24 40	0	-	-	-	-	53 33	32 5	3	-	-	-	
	3	Noon.	58 20 *	29 35	34 6	54	4 31	-	-	-	-	-	-	-	-	-	-	-	SW	
		P.M.	58 0	0 29	35 0	-	-	16 34	40	-	-	-	-	38 40	34 42	3	-	-	-	} Very go vessel fl
		P.M.	58 0	30 29	35 0	-	-	15 35	30	-	-	-	-	36 30	35 16	6	-	-	-	
		P.M.	58 0	30 29	35 0	-	-	14 46	40	-	-	-	-	34 49	35 41	6	-	-	-	
	4	Noon.	58 3	30 56	35 27	57	4 31	-	-	-	-	-	-	-	-	-	-	-	NE	Cape Fa long. b
		Noon.	58 38	34 24	30 55	48	4 31	-	-	-	-	-	-	-	-	-	-	-	NE	
	5	Noon.	59 12	37 28	41 59	50	4 31	-	-	-	-	-	-	-	-	-	-	-	NE	
	6	Noon.	59 11	41 16	45 47	48	4 31	-	-	-	-	-	-	-	-	-	-	-	ENE	The Easter Saw Ca N by V about
	7	4 0 0	59 24	12 5	46 36	-	4 31	-	-	-	-	-	-	-	-	-	-	-	-	

U so bore away, calling it the Lion's Bank.
Swell from the Southward.

Carried away the fore-yard.

S.W. swell, lost all our birds.

} Very good observations and the
vessel steady, when made.

Cape Farewell's lat. $59^{\circ} 38' N$.
long. by obl. $42^{\circ} 42'' W$.

The Eastermost part of it.

{ Saw Cape Farewell bearing
N by W. by compass, distance
about 7 or 8 leagues.

A continuation

A Continuation of the Track of His Majesty's armed Brig Lion, from Cape Farewell along Greenland, for the Determination of the Position of the Coast, as likewise the Dip, Varia

Days of the Month	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	Therm. in the shade	Error of common reckoning	Log time as read off quadrants		Distance observed.	Azi-muths.	Variations.	N ^o of obs.	Error of quad.	Winds.	
							O's alt.	S's alt.							
		N					L.L.	U.L.		NW					
July 8	18 52 22	59 46	0 46 47½	48 47	-	2 0 30	24 19 0	36 52 0	76 11 30	-	-	-	None.	N	Very fine Lar off dec.
							24 36 30	36 53 0	76 11 0						
							24 42 0	36 53 0	76 10 0						
							24 32 30	36 52 40	76 10 50						
	Noon	59 44	0 46 42	49 10	40	2 28 0	-	-	-	-	-	-	-	SE	Clear v
	6 0 0	59 53	0 46 19	48 47	-	-	23 37 0	-	-	44 30	-	-	None.	-	Water SW Dip, 1 Face V Poles Face I
							23 31 0	-	-	44 0	41 38	-			
							23 25 0	-	-	44 0		-			
							23 32 0	-	-	44 10		-			
9	Noon.	60 1	0 46 13	49 40	38	3 27 0	-	-	-	-	-	-	-	N	
10	Noon.	60 12	0 47 18	51 21	38	4 3 0	-	-	-	-	-	-	-	NNW	Hazy,
11	Noon.	60 30	0 47 38	51 41	36	4 3 0	-	-	-	-	-	-	-	Variab.	Much i
12	6 0 0	-	-	-	-	-	21 42 0	-	-	44 0	-	-	None.	-	Cape for
							21 39 0	-	-	44 0	39 0	-			
							21 34 0	-	-	45 0		-			
							21 38 0	-	-	44 15		-			
12	6 30 0	60 40	0 47 45	-	-	-	17 53 0	-	-	39 0	-	-	None.	-	Very
							17 48 0	-	-	39 0	38 20	-			
							17 44 0	-	-	38 30		-			
							17 48 0	-	-	38 50		-			
							20 0 0	-	-	SE 58 0	-	-	None.	-	The clo whi effe have regu 105 of t ragg with
							20 11 0	-	-	58 0	41 0	-			
							20 20 0	-	-	57 30		-			
							20 10 0	-	-	57 50		-			
	20 0 0	61 4	0 48 0	-	-	-	20 32 0	-	-	57 40	-	-	None.	-	
							20 40 0	-	-	57 40	40 52	-			
							20 45 0	-	-	56 10		-			
							20 39 0	-	-	57 10		-			
	Noon.	61 28	0 48 9	52 12	40	4 2	-	-	-	-	-	-	-	E	Land fr
							15 28 0	-	-	53 0	-	-	None.	-	Dip c
							15 33 0	-	-	54 0	48 58	-			The abo
							15 39 0	-	-	54 0		-			
							15 33 0	-	-	53 40		-			
							18 4 0	-	-	52 0	-	-	None.	-	Tric mea 81
							18 11 0	-	-	52 30	49 46	-			
							18 15 0	-	-	52 30		-			
							18 10 0	-	-	52 20		-			
							23 37 0	-	-	46 0	-	-	None.	-	Abou land fillex to th
							23 42 0	-	-	46 0	45 22	-			
							23 47 0	-	-	46 30		-			
							23 42 0	-	-	46 10		-			
	Noon.	62 11	0 48 0	52 3	39	4 2	-	-	-	-	-	-	-	Calm.	Dip of
										NW					

along the West Coast of
), Variation, &c.

ds.	Remarks, &c.
	<p>Very good observation; water smooth; amongst a field of ice. Land from NE to SE, distance off 8 or 10 leagues, making in deep bays.</p>
	Clear weather; fast in the ice.
-	<p>Water smooth; land at NE to SW 5 leagues.</p> <p>Dip, Face E mark end down, 76 50 Face W ditto, 77 0 Poles changed, Face W ditto up, 76 15 Face E ditto, 76 30</p>
W	Hazy, no land in sight.
ab.	Much ice.
-	<p>Cape Desolation E 4 leagues, soundings at 146 fathoms.</p>
-	<p>Very good.</p>
-	<p>These observations were made close to one of the ice glances, which I did not find had any effect on the compass as some have imagined. Had very irregular soundings from 80 to 105 fathoms about 4 leagues of the land, which is high and ragged, being mostly covered with snow and ice.</p>
	Land from SSE to NE.
-	<p>Dip of the needle, mean 80 50 The large ice glance NE about 5 or 6 leagues off.</p>
-	<p>Tried the dipping needle, the mean of the four sights gave 81 10.</p>
-	<p>About 5 leagues off shore, the land high, and the soundings filled with frozen snow, even to the tops of the hills.</p>
.	Dip of the needle 81 30.

[illegible]

.. Dip of the needle 81 30.

- { Many isles off this part of the coast, and soundings about 12 leagues off, though none close in.

- Clear weather.

{ Land from N 30 E to S 2 E 3 leagues off.

{ Thick weather; land NE to SSE 4 leagues off.

{ Thick weather; fell in with a ridge of rocks, 28 miles E. from hence. This day's Southerly wind found the ship 17 miles to the N. of account.

- { At anchor in an harbour, called Musketto Cove, until the 27th.

{ These observations were made on shore with a reflected horizon, and the latitudes settled by many good meridian altitudes; the weather fine and clear, so that I can answer for the observations, though not for the working.

A further

A further Continuation of the Track of His Majesty's armed Brig Lion, from Mosketto Cove
to the End of Davis's Straits, &c.

Days of the Month.	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	Therm. in the shade.	Error of common reckoning	Log time as read off quadrants		Distance observed.	Azi- muths.	Vari- ations.	No of obs.	Error of quad.	Winds.	
							° ' s alt.	° ' s alt.							
		N					L.L.	U.L.		NW					
							reflected hor.		68 11 0						
							65 35 0		68 12 0						
							65 15 0		68 12 0						
							65 1 0		68 12 30						
							64 30 0		68 13 0						
							64 20 0		68 13 30						
							64 8 0								
							64 48 25		68 12 20						
July 21	3 43 4	64 55 13	53 0	-	-	-							None.	-	By these ob- to lay in li- and longi- Variation Dip of the Flow of t- High water A. M. Dip, Face Face W d Poles chan- Face E.
21	4 0 0	64 55 13	52 56 1/2	-	-	61	62 49 0			60 0	50 48		None.	-	
21	4 0 0	64 55 13	52 56 1/2	-	-	61	66 2 30			66 2 1/2	50 24		None.	-	
27	Noon.	64 49 0	54 25 1/2	58 31	43	4 6	-	-	-	-	-	-	-	N	
28	Noon.	64 40 0	55 29	59 35	39	4 6	-	-	-	-	-	-	-	NNW	No soundings.
29	Noon.	65 14 0	58 10	62 16	37	4 6	-	-	-	-	-	-	-	ENE	Little or no ice Close to land and an ap- the dip of Mark Poles
30	Noon.	65 38 0	59 30	63 36	44	4 6	-	-	-	-	-	-	-	-	
							15 50 0			45 0					
							16 2 0			43 40					
							16 29 0			43 0					
31	19 0 0	65 48 0	59 10	-	-	-	16 7 0			43 50	54 0				
31	Noon.	65 49 0	59 8	63 14	29 1/2	4 6	-	-	-	-	-	-	-	-	Sailing also rigging fr
Aug. 1	Noon.	65 46 0	58 19	62 25	40	4 6	-	-	-	-	-	-	-	-	Loft fight of
2	Noon.	65 36 0	58 19	62 25	42	4 6	-	-	-	-	-	-	-	-	Saw anothe ward. These f and c fwell
3	Noon.	66 53 0	58 8	62 14	40	4 6	-	-	-	-	-	-	-	S	
4	Noon.	67 43 0	58 50	62 56	36	4 6	-	-	-	-	-	-	-	-	At 12 thi and nearl Vall quan and a gre
5	Noon.	68 10 0	56 46	60 52	38	4 6	-	-	-	-	-	-	-	-	Fresh gales,
6	Noon.	67 32 0	58 41	62 47	40	4 6	-	-	-	-	-	-	-	-	Saw high leagues,
7	Noon.	67 20 0	56 17	60 23	42	4 6	-	-	-	-	-	-	-	-	Light airs ing high with mo
8	Noon.	67 10 0	55 11	59 17	41	4 6	-	-	-	-	-	-	-	-	Little wir leagues 60 to 25
9	Noon.	66 40 0	55 1	59 7	43	4 6	-	-	-	-	-	-	-	-	Standing i ward, w
10	Noon.	66 40 0	57 15	61 21	40	4 6	-	-	-	-	-	-	-	-	
							15 20 0			39 0					
							15 17 0			37 0					
							15 12 0			39 0					
							15 5 0			38 30					
							15 1 0			39 0					
							14 57 0			40 0					
11	7 0 0	66 38 0	56 48	-	-	-	15 10 30			38 45					When tl Mount about fi fathoms.
							-	-	-	-	-				
11	Noon.	66 30 0	56 31	60 37	46	4 6	-	-	-	-	-				Land fror no found
							12 4 0			23 30					
							11 47 0			24 30					
							11 37 0			22 30					
							11 26 0			22 20					
							11 19 0			21 0	56 54		None.	-	
12	7 30 0	66 26 0	56 15	-	-	-	11 14 0			21 30					
							11 34 30			22 32					
							4 37 0			5 0					When 1 there w ther fin to SSW leagues Christia for 10

to Cove, Greenland,

Remarks, &c.

By these observations I deduce this Cove
to lay in latitude 64 55 13 N.
and longitude 52 56 30 W.
Variation 50 36 0 W.
Dip of the needle 81 22 30
Flow of the tide, springs, 14 f.
— — — neap, 9 f.
High water full and change at 10h. 15"
A. M.
Dip, Face E mark end down, 82 30
Face W ditto, 81 15
Poles changed, Face W ditto, 80 30
Face E. — — — 80 15

No soundings, clear weather.

Little or no ice, and steady weather.

Close to a very extensive field of ice,
and an appearance of land at the back;
the dip of the needle as underneath:
Mark end up, face E. 86 0
— — — face W. 85 40
Poles changed, face W. 85 50
— — — face W. 85 30

Sailing along the field of ice to the N. E.
rigging froze

Lost sight of the ice.

Saw another large field of ice to the East-
ward.

These four days sometimes thick fog,
and others clear weather, a heavy
swell from the South.

At 12 this night was in latitude 68 14,
and nearly the same longitude as at noon.
Vast quantity of very large ice islands,
and a great sea, with thick weather.

Fresh gales, thick weather, and ice islands.

Saw high land bearing N. E. distance 20
leagues, a great swell, and little wind.

Light airs all this day; the land appear-
ing high, and in many places covered
with snow.

Little winds from the S. W. about four
leagues from the land soundings from
60 to 25 fathoms, sandy ground.

Standing in and out to get to the south-
ward, wind S. W. blows strong.

When these observations were taken
Mount Cunningham bore SSB, distance
about six leagues, depth of water 65
fathoms, sandy ground.

Land from SE to ENE. seven leagues off
no soundings.

When these observations were taken
there was little ice in sight, the wea-
ther fine, sea smooth, the land from E.
to SSW. which was high and about 12
leagues off, being that part named
Christiaa Sound, and where the Danes
for some years worked a silver mine.

										11 34 30							22 32							there w ther fin to SSW leagues Christia for fon and as strong a be one, cafon t
12	7 45	066 27	056 15	-	-	-	-	-	-	4 37 0 4 28 0 4 25 0 4 21 0 4 15 0 4 12 0 4 8 0 4 5 6	-	-	-	-	-	55 50	-	None.	-	-				
12	Noon.	66 2	056 45	60 51	44	4	6			4 19 0 - - - 7 25 0 7 16 0 7 7 0 6 57 0 6 44 0 6 37 0	-	-	-	-	-	5 11 - - - 23 10 23 45 21 40 22 45 22 5 20 30	-	-	-	SW	Land in fig			
13	8 0	065 58	055 49	-	-	-	-	-	-	7 0 40	-	-	-	-	-	47 23	-	None.	-	-			{ The ext SW. di	
13	Noon.	66 7	054 43	58 49	53	4	6			- - -	-	-	-	-	-	22 19 - - -	-	-	-	-	-	-	{ Within river, w Land from	
14	Noon.	65 12	055 52	59 58	50	4	6			- - -	-	-	-	-	-	- - -	-	-	-	-	-	-	SBE	
15	Noon.	65 22	056 12	60 18	40	4	6			- - -	-	-	-	-	-	- - -	-	-	-	-	-	-	{ Hard gal sea, wir	
16	Noon.	-	56 50	60 56	42	4	6			- - -	-	-	-	-	-	- - -	-	-	-	-	-	-	WSW	
17	Noon.	65 22	055 29	59 35	44	4	6			- - -	-	-	-	-	-	- - -	-	-	-	-	-	-	SSW	
18	Noon.	65 3	054 2	58 58	-	4	6			- - -	-	-	-	-	-	- - -	-	-	-	-	-	-	Foggy wea The lan large h	
19	4 0	064 32	053 50	-	-	-	-			- - -	-	-	-	-	-	- - -	-	-	-	-	-	-	{ Dip, ma Poles ch	

there was little ice in sight, the weather fine, sea smooth, the land from E. to SSW. which was high and about 12 leagues off, being that part named Christiaq Sonnd, and where the Danes for some years worked a silver mine, and as this coast has in many places strong appearances of iron ore, this may be one, and in all probability may occasion this high variation.

Land in sight.

{ The extremes of the land from NE. to
2 SW, distance six leagues.

{ Within one mile of the mouth of a rocky
2 river, with a rapid tide.
Land from E. to ENE. very high.

{ Hard gales with much rain, and a great
2 sea, wind SWBS, weather thick.

✓ Thick close weather, with little wind.

Foggy weather.

{ The land like Islands. Caught many
2 large holibutts.

{ Dip, mark end up, face E. 83 30
— — — face W. 84 40
Poles changed, face W. 85 0
— — — face E. 85 0

A Track

A Track of His Majesty's armed Brig Lion, from Davis's Straits to the Coast of Labrad

Days of the Month.	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	The height, in the shade.	Error of common reck.	As read off quadrants		Distance observed.	Azimuths.	Variations.	No of observations.	Errors of quadrant.	Winds.	
							☉'s alt.	☽'s alt.							
		h ° '	° '	° '	° '	''	L.L.	U.L.	° '	° '	° '				
Aug. 19	Noon.	64 43	053 25	58 31	41	4 6	- -	- -	- -	- -	- -	- -	- -	- -	{ The land n ing in Ma
							33 12	016 33	060 0 30						
							33 5	016 39	060 1 30						
							33 0	016 42	060 2 0						
							32 57	016 45	060 4 0						
							32 54	016 47	060 4 0						
							32 50	016 51	060 5 0						
19	2 16	064 34	052 30	- -	- -	- -	32 49 40	016 42 50	060 2 50						
							32 42	016 59	060 5 30						
							32 36	017 3	060 6 0						
							32 31	017 7	060 7 0						
							32 27	017 10	060 8 0						
							32 22	017 12	060 9 0						
							32 20	017 14	060 10 0						
							32 29 40	017 7 30	060 7 35						
20	Noon.	64 33	054 35	58 41	-	4 6	- -	- -	- -	- -	- -	- -	- -	- -	{ A very hea us to th had on de
21	Noon.	63 56	054 15	58 21	36	4 6	- -	- -	- -	- -	- -	- -	- -	- -	{ This night being ove aurora bor quarter, b beautiful
							5 30	010 40	084 9 0						
							5 19	010 38	084 11 0						
							5 6	010 36	084 11 0						
							4 54	010 32	084 12 0						
							4 42	010 25	084 11 0						
							4 28	010 23	084 13 0						
							4 59 50	010 32 20	084 11 10						
21	A.M.	63 36	053 20	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	{ By the obf the error have incr have incr alter the think the the truth.
22	Noon.	62 19	053 4	58 3	44	4 59	- -	- -	- -	- -	- -	- -	- -	- -	{ High land l was the la
23	Noon.	60 58	053 14	58 13	-	4 59	- -	- -	- -	- -	- -	- -	- -	- -	Moderate bre
24	Noon.	60 2	052 28	57 27	46	4 59	- -	- -	- -	- -	- -	- -	- -	ESE	Ditto, with n
25	Noon.	58 4	052 46	57 45	52	4 59	- -	- -	- -	- -	- -	- -	- -	E	Fresh gales.
26	Noon.	56 17	053 38	58 27	54	4 59	- -	- -	- -	- -	- -	- -	- -	NE	Fresh gales.
27	Noon.	54 54	054 10	59 9	56	4 59	- -	- -	- -	- -	- -	- -	- -	NE	Cloudy weath
28	Noon.	53 4	053 15	58 14	56	4 59	- -	- -	- -	- -	- -	- -	- -	- -	Saw the first i
29	Noon.	53 7	052 6	57 5	60	4 59	- -	- -	- -	- -	- -	- -	- -	WNW	Much ice.
30	Noon.	53 33	053 9	58 8	60	4 59	- -	- -	- -	- -	- -	- -	- -	SW	Much ice.
31	Noon.	53 25	053 58	58 57	-	4 59	- -	- -	- -	- -	- -	- -	- -	- -	{ Round Hill leagues, w America, 53 32 N Greenwic

We anchored in Porcupine Harbour, where we staid until the 26th of September, and from thence to England; which being a common rout, I shall conclude with a few general observations on the world, so little known and so terribly represented by people who, in order to raise their own imaginations and difficulties of common occurrences; merely because the places are unknown, and there is a probability of their ever being contradicted. I do not mean this as a personal reflexion; but have heard with many of the masters of Greenland vessels, as well as their employers, and heard such descriptions of those countries, I cannot help remarking it as a circumstance equally foolish and ridiculous, ten to one that those who from a laudable principle would be benefactors to their country, but are deterred from

Labradore.

Remarks, &c.

{ The land near Balls River in sight, making in Islands.

{ These observations are very good ones, yet as they give too little, and disagree with the rest, I did not pay much regard to them, nor alter the track, as I cannot answer for the working of them.

{ A very heavy gale of wind, which obliged us to throw overboard the guns we had on deck.

{ This night, for the first time (the gale being over and fine weather), saw the aurora borealis, which began in the SE. quarter, but was neither so strong nor so beautiful as in the southern hemisphere.

{ By the observations on the 10th, I find the error of the common reckoning to have increased 55 miles, and by these to have increased 50 miles; therefore shall alter the track to the observations, as I think them a sufficient confirmation of the truth.

{ High land Ebs distance 32 leagues, which was the last we saw.

Moderate breezes, and no ice to be seen.

Ditto, with mists.

Fresh gales.

Fresh gales.

Cloudy weather.

Saw the first ice Islands on the Labradore.

Much ice.

Much ice.

{ Round Hill Island, bore NW. six or seven leagues, which being the eastern part of America, I make it to be in latitude 53 32 N. longitude 54 29 W. of Greenwich.

from thence proceeded
ions on this part of the
own merit, make dan-
d there is little or no
but having discoursed
ach dreadful stories of
us, tending to mislead
red from it by such re-

with many of the hunters of Greenland & others, as well as their employers, and those who are in those countries, I cannot help remarking it as a circumstance equally foolish and ridiculous, than those who from a laudable principle would be benefactors to their country, but are deterred from presentations; and I appeal to those series of facts for the truth of my assertion. The weather is, in the spring and autumn, boisterous; the seas run irregular, like the Gulph of Lion; in places I could instance (that is short and high); occasioned (I imagine) by the narrowness of many impediments it meets with from the ice, and its being open to the southern parts of the sea. As the south winds are always the strongest, bring thick weather, and the greatest sea, so the north winds bring fine clear weather, and are seldom strong. I shall here finish these observations, with the particulars &c. and shall communicate observations on the ice, the atmosphere, the land of Forbisher, and of a north west passage, in a short time.



ous, tending to mislead
red from it by such re-
eather in Davis's Straits
of Lions, and other
efs of the Straits, the
of the Atlantic Ocean.
he northern ones bring
e particulars of them,
er, and the probability

L. *Track of His Majesty's armed Brig Lion from England to Davis's Streights and Labrador, with Observations for determining the Longitude by Sun and Moon and Error of Common Reckoning; also the Variation of the Compass and Dip of the Needle, as observed during the said Voyage in 1776. By Lieutenant Richard Pickersgill, late Commander of the said Vessel; communicated by Nevil Maskelyne, D. D. F. R. S. and Astronomer Royal.*

N. B. The day is set down according to the log-book.

Days of the Month.	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	Therm. in the shade.	Error of common reck.	As read off quadrants		Distance observed.	Azimuths.	Variations.	N ^o of obs.	Errors of quadrant.	Winds.	Remarks, &c.	
							☉'s alt.									☽'s alt.
							L. L.	L. L.								
June	10 0 8	N 49 20	W 6 26	W 6 36	61	0 10	36 32 40	42 55 40	61 16 30	NW	W	3	☉ alt. + 1 ☽ - 1	S	city isles about North of us.	
	Noon.	49 23 A	7 5	7 15	61	0 10	-	-	-	-	-	-	-	S	izard East of us.	
	11 Noon.	49 20 A	8 36	9 3	63	0 27	-	-	-	-	-	-	-	NW	qually with rain; a great swell	
	12 7 P.M.	49 12	9 25	9 52	-	-	6 48 20	-	-	37 46	24 21	3	-	NW	} An unfriendly sea, though the compass stood pretty well.	
	D ^y nearly.	49 12	9 26	9 53	-	-	4 25 0	-	-	34 37	24 39	6	-	-		
	Noon.	48 3 A	10 9	10 58	62	0 49	-	-	-	-	-	-	-	NW	Under courses.	
	13 Noon.	46 55 A	11 0	12 14	61	1 14	-	-	-	-	-	-	-	WSW	Much rain, &c.	
	14 Noon.	47 8 *	11 22	12 37	61	1 15	-	-	-	-	-	-	-	WSW	Strong gales with rain.	
	15 Noon.	47 59 *	12 12	13 43	60	1 31	-	-	-	-	-	-	-	SW	More moderate.	
	16 Noon.	48 22 *	13 36	15 33	62	1 57	-	-	-	-	-	-	-	WNW	Moderate and clear; a great swell	
	17 Noon.	49 13 *	14 21	16 29	61	2 8	-	-	-	-	-	-	-	SW	Little winds and clear weather.	
	7 P.M.	49 33	14 20	16 28	-	-	15 50 0	-	-	48 30	-	3	-	-	-	These I have not worked.
	18 7 P.M.	49 33	14 20	16 28	-	-	15 35 0	-	-	55 40	-	3	-	NE	A fine pleasant day.	
	Noon.	50 11 *	15 59	18 33	60	2 34	-	-	-	-	-	-	-	-	-	-
	19 Noon.	50 45 *	16 50	19 37	62	2 47	-	-	-	-	-	-	-	SE	Fine weather.	
	20 Noon.	52 2 A	19 5	22 31	59	3 26	-	-	-	-	-	-	-	SW	Hazy at times.	
	21 7 31 0	52 30	18 42	22 27	-	3 45	5 31 50	32 6 50	54 1 50	-	-	6	☉ - 2 50 ☽ - 1 0	-	} Considering the height of the Sun these not bad ones; air clear.	
	Noon.	53 21 *	19 16	22 50	57	3 34	-	-	-	-	-	-	-	NW		
	22 3 38 24	53 27	19 45	22 55	-	3 10	39 20 40	46 37 40	63 50 55	-	-	6	-	-	} The log between these and the last agrees pretty well.	
	2 53 40	53 27	19 37	22 55	-	3 18	45 35 6	43 53 26	63 35 26	-	-	9	-	-		
	Noon.	53 45 A	18 16	22 8	58	3 42	-	-	-	-	-	-	-	WNW	Strong gales.	
23 Noon.	54 53 A	16 53	21 8	59	4 5	-	-	-	-	-	-	-	WNW	} Strong gales, vessel drifts very fast to the Eastward.		
24 Noon.	55 36 *	14 30	19 47	61	5 17	-	-	-	-	-	-	-	NW			
25 4 6 20	55 25	13 54	19 50	-	5 56	34 55 10	25 47 0	96 50 0	-	-	6	☉ + 8 30 ☽ - 1 0	-	} Dip. Face E. mark up, 76 30 Face W. ditto, 75 0 Face W. mark down, 74 0 Face E. ditto, 74 30 } 75		
4 14 8	55 25	14 6	19 50	-	5 44	33 50 30	27 27 0	96 53 25	-	-	6	☉ + 8 30 ☽ - 1 0	-			
4 35 32	55 25	13 58	19 50	-	5 52	30 52 10	29 8 30	97 0 55	-	-	6	☉ + 8 30 ☽ - 1 0	-			
Noon.	56 18 *	14 25	20 8	59	5 43	-	-	-	-	-	-	-	WNW			
26 Noon.	57 18 *	14 40	20 10	58	5 30	-	-	-	-	-	-	-	NNW	Moderate weather.		
27 5 33 56	57 15	15 32	20 26	-	4 54	22 47 20	17 44 20	119 56 5	-	-	6	☉ + 1 30 ☽ - 1 0	E	} A very good set. Foggy weather, like the banks of Newfoundland, water smooth.		
Noon.	57 4 *	16 31	21 7	58	4 36	-	-	-	-	-	-	-	NW			
28 Noon.	56 38 *	17 44	22 20	61	4 36	-	-	-	-	-	-	-	N	} Calm; tried soundings, and got ground at 320 fathoms; drifted to the N.E. about two miles, and founded again in 290 fathoms, fine white sand: at the same time saw a flag, gally, and other signs of land not far from hence. By running about 19 miles N.E. by N. left foundings, to bore away, calling it the Lion's Bank.		
29 3 P.M.	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
July	Noon.	57 0	18 2	22 38	58	4 36	-	-	-	-	-	-	-	SW	Swell from the Southward.	
	Noon.	57 52 A	21 32	26 8	58	4 36	-	-	-	-	-	-	-	SE	Carried away the fore-yard.	
	Noon.	58 25 *	25 31	30 2	54	4 31	-	-	-	-	-	-	-	SSW	S.W. swell, lost all our birds.	
	1 P.M.	58 25	26 10	30 41	-	-	24 40 0	-	-	53 33	32 5	3	-	-	-	-
	Noon.	58 20 *	29 35	34 6	54	4 31	-	-	-	-	-	-	-	SW	-	
	3 P.M.	58 0	0 29	35 0	-	-	16 34 40	-	-	38 40	34 42	3	-	-	} Very good observations and the vessel steady, when made.	
	P.M.	58 0	30 29	35 0	-	-	15 35 30	-	-	36 30	35 16	6	-	-		
	P.M.	58 0	30 29	35 0	-	-	14 46 40	-	-	34 49	35 41	6	-	-		
	Noon.	58 3	30 56	35 27	57	4 31	-	-	-	-	-	-	-	NE		
	4 Noon.	58 38	34 24	30 55	48	4 31	-	-	-	-	-	-	-	NE	} Cape Farewell's lat. 59° 38' N. long. by obs. 42° 42' W.	
5 Noon.	59 12	37 28	41 59	50	4 31	-	-	-	-	-	-	-	NE			
6 Noon.	59 11	41 16	45 47	48	4 31	-	-	-	-	-	-	-	ENE	The Eastermost part of it.		
7 4 0 0	59 24	12 5	46 36	-	4 31	-	-	-	-	-	-	-	-	-	} Saw Cape Farewell bearing N by W. by compass, distance about 7 or 8 leagues.	

A Continuation of the Track of His Majesty's armed Brig Lion, from Cape Farewell along the West Coast of Greenland, for the Determination of the Position of the Coast, as likewise the Dip, Variation, &c.

Days of the month	Time	Latitude	Long. by last observ.	Long. by ship's reck.	Therm. in the shade	Error of common reckoning	Log time as read off quadrants		Distance observed.	Azimuths.	Variations.	N ^o of obs.	Error of quad.	Winds.	Remarks, &c.
							☉'s alt.	☽'s alt.							
July 8		N					L.L.	U.L.		NW					Very good observation; water smooth; amongst a field of ice. Land from NE to SE, distance off 8 or 10 leagues, making in deep bays.
	18 52 22	59 46	0 46 47	48 47	-	2 0 30	24 19 0	36 52 0	76 11 30				None.	N	
							24 36 30	36 53 0	76 11 0						
							24 42 0	36 53 0	76 10 0						
							24 32 30	36 52 40	76 10 50						Clear weather; fast in the ice.
	Noon	59 44	0 46 42	49 10	40	2 28 0	-	-	-					SE	
	6 0	59 53	0 46 19	48 47	-	-	23 37 0	-	-	44 30				None.	
							23 31 0	-	-	44 0	41 38				
							23 25 0	-	-	44 0					Water smooth; land at NE to SW 5 leagues. Dip, Face E mark end down, 76 50 Face W ditto, 77 0 Poles changed, Face W ditto up, 76 15 Face E ditto, 76 30
							23 32 0	-	-	44 10					
9	Noon	60 1	0 46 13	49 40	38	3 27 0	-	-	-	-				N	
10	Noon	60 12	0 47 18	51 21	38	4 3 0	-	-	-	-				NNW	Hazy, no land in sight.
11	Noon	60 30	0 47 38	51 41	36	4 3 0	-	-	-	-				Variab.	Much ice.
12	6 0	-	-	-	-	-	21 42 0	-	-	44 0					Cape Defolation E 4 leagues, soundings at 146 fathoms.
							21 39 0	-	-	44 0	39 0			None.	
							21 34 0	-	-	45 0					
							21 38 0	-	-	44 15					
12	6 30	60 40	0 47 45	-	-	-	17 53 0	-	-	39 0					Very good.
							17 48 0	-	-	39 0	38 20			None.	
							17 44 0	-	-	38 30					
							17 48 0	-	-	38 50					
							20 0 0	-	-	SE					These observations were made close to one of the ice glaciers, which I did not find had any effect on the compass as some have imagined. Had very irregular soundings from 80 to 105 fathoms about 4 leagues of the land, which is high and ragged, being mostly covered with snow and ice.
							20 11 0	-	-	58 0	41 0			None.	
							20 20 0	-	-	58 0					
							20 10 0	-	-	57 30					
	20 0	61 4	0 48 0	-	-	-	20 32 0	-	-	57 40					
							20 40 0	-	-	57 40	40 52			None.	
							20 45 0	-	-	56 10					
							20 39 0	-	-	57 10					
	Noon	61 28	0 48 9	52 12	40	4 2	-	-	-	-				E	Land from SSE to NE.
							15 28 0	-	-	53 0					Dip of the needle, mean 80 50 The large ice glance NE about 5 or 6 leagues off.
							15 33 0	-	-	54 0	48 58			None.	
							15 39 0	-	-	54 0					
							15 33 0	-	-	53 40					
							18 4 0	-	-	52 0					Tried the dipping needle, the mean of the four fights gave 81 10.
							18 11 0	-	-	52 30	49 46			None.	
							18 15 0	-	-	52 30					
							18 10 0	-	-	52 20					
							23 37 0	-	-	46 0					About 5 leagues off shore, the land high, and the soundings filled with frozen snow, even to the tops of the hills.
							23 42 0	-	-	46 0	45 22			None.	
							23 47 0	-	-	46 30					
							23 42 0	-	-	46 10					
	Noon	62 11	0 48 0	52 3	39	4 2	-	-	-	-				Calm.	Dip of the needle 81 30.
							25 2 0	-	-	NW					Many isles off this part of the coast, and soundings about 12 leagues off, though none close in.
							25 0 0	-	-	42 0	46 54			None.	
							24 58 0	-	-	43 0					
							25 0 0	-	-	42 40					
14	7 0	62 12	0 48 15	-	-	-	17 56 0	-	-	28 40					Clear weather.
							17 46 0	-	-	27 40	48 17			None.	
							17 40 0	-	-	28 30					
							17 47 0	-	-	28 3					
	Noon	62 50	0 49 0	53 3	40	4 2	-	-	-	-				N	Land from N 30 E to S 2 E 3 leagues off.
15	Noon	63 14	0 49 53	53 56	41	4 2	-	-	-	-				SW	Thick weather; land NE to SSE 4 leagues off.
16	Noon	64 38	0 51 26	55 32	42	4 6	-	-	-	-				SW	Thick weather; fell in with a ridge of rocks, 18 miles E. from hence. This day's southerly wind found the ship 17 miles to the N. of account.
17	Noon	64 57	0 52 56	-	-	-	-	-	-	-				-	At anchor in an harbour, called Musketto Cove, until the 27th.
							Double being reflected hor.	Nearest L.							These observations were made on shore with a reflected horizon, and the latitudes settled by many good meridian altitudes; the weather fine and clear, so that I can answer for the observations, though not for the working.
							68 48 0	68 1 0							
							68 18 0	68 3 0							
							68 0 0	68 4 0							
							67 40 0	68 5 0							
							67 18 0	68 6 15							
							67 10 0	68 6 0							
21	3 25 15	64 55 13	52 53	-	-	61	67 52 20	68 4 12							

A further Continuation of the Track of His Majesty's armed Brig Lion, from Mosketto Cove, Greenland,
to the End of Davis's Straits, &c.

Days of the Month.	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	Term in the day.	Error of common reckoning	Log time as read off quadrants		Distance observed.	Azi- muths.	Vari- ations.	No of obs.	Error of quad.	Winds.	Remarks, &c.	
							0's alt.	3's alt.								
		N			61 in the day, & 54 in the night.		L.L.	U.L.		NW						
							reflected hor.		68 11 0						By these observations I deduce this Cove to lay in latitude 64 55 13 N. and longitude 54 56 30 W. Variation 50 56 0 W. Dip of the needle 81 23 30 Flow of the tide, springs, 14 f. — — — neap, 9 f. High water full and change at 10h. 15 A. M. Dip, Face E mark end down, 82 30 Face W ditto, 81 15 Poles changed, Face W ditto, 80 30 Face E. — — — 80 15	
July 21	3 43	64 55 13	53 0	—	—	—	65 35 0	—	68 12 0				None.	—		
							65 15 0	—	68 12 0							
							65 1 0	—	68 12 30							
							64 30 0	—	68 13 0							
							64 20 0	—	68 13 30							
							64 8 0	—	68 13 30							
							64 48 25	—	68 12 20							
							62 49 0	—	—	60 0	50 48		None.	—		
21	4 0	64 55 13	52 56 1	—	—	61	—	—	—	66 2 30	50 24		None.	—		
27	Noon.	64 49 0	54 25 1	58 31	43	4 6	—	—	—	—	—			N		
28	Noon.	64 40 0	55 29	59 35	39	4 6	—	—	—	—	—			NNW	No soundings, clear weather.	
29	Noon.	65 14 0	58 10	62 16	37	4 6	—	—	—	—	—			ENE	Little or no ice, and steady weather.	
30	Noon.	65 38 0	59 30	63 36	44	4 6	—	—	—	—	—			—	Cloth to a very extensive field of ice, and an appearance of land at the back; the dip of the needle as underneath: Mark end up, face E. 86 0 — — — face W. 85 40 Poles changed, face W. 85 50 — — — face W. 85 30	
							15 50 0	—	—	SE	45 0					
							16 2 0	—	—	43 40						
							16 29 0	—	—	43 0	54 0					
							16 7 0	—	—	43 50						
Aug. 1	Noon.	65 49 0	59 8	63 14	29 1	4 6	—	—	—	—	—			—	Sailing along the field of ice to the N. E. regarding from	
	Noon.	65 46 0	58 19	62 25	40	4 6	—	—	—	—	—			—	Lost sight of the ice.	
2	Noon.	65 36 0	58 19	62 25	42	4 6	—	—	—	—	—			—	Saw another large field of ice to the East- ward.	
3	Noon.	66 53 0	58 8	62 14	40	4 6	—	—	—	—	—			S	Thick four days sometimes thick fog, and others clear weather, a heavy flood from the South.	
4	Noon.	67 43 0	58 50	62 56	36	4 6	—	—	—	—	—			—	At 12 this night was in latitude 63 14, and nearly the same longitude as at noon.	
5	Noon.	68 10 0	56 46	60 52	38	4 6	—	—	—	—	—			—	Very quantity of very large ice islands, and a great sea, with thick weather.	
6	Noon.	67 32 0	58 41	62 47	40	4 6	—	—	—	—	—			—	Fresh gales, thick weather, and ice islands.	
7	Noon.	67 20 0	56 17	60 23	42	4 6	—	—	—	—	—			—	Saw high land bearing N. E. distance 20 leagues, a great swell, and little wind.	
8	Noon.	67 10 0	55 11	59 17	41	4 6	—	—	—	—	—			—	Light airs all this day; the land appear- ing high, and in many places covered with snow.	
9	Noon.	66 40 0	55 1	59 7	43	4 6	—	—	—	—	—			—	Little wind from the S. W. about four leagues from the land soundings from 60 to 15 fathoms, steady ground.	
10	Noon.	66 40 0	57 15	61 21	40	4 6	—	—	—	NW	—			—	Standing in and out to get to the south- ward, wind S. W. blows strong.	
							15 20 0	—	—	39 0						
							15 17 0	—	—	37 0						
							15 12 0	—	—	39 0						
							15 5 0	—	—	38 30						
							15 1 0	—	—	39 0	not worked.					
							14 57 0	—	—	40 0					When these observations were taken Mount Cunningham bore SSE, distance about six leagues, depth of water 65 fathoms, sandy ground.	
							15 10 30	—	—	38 45						
11	Noon.	66 30 0	56 31	60 37	46	4 6	—	—	—	—	—			—	Land from SE to ENE. seven leagues off no soundings.	
							12 4 0	—	—	23 30						
							11 47 0	—	—	24 30						
							11 37 0	—	—	22 30						
							11 26 0	—	—	22 20						
							11 19 0	—	—	21 0	56 54		None.	—		
							11 14 0	—	—	21 30						
12	7 30	66 26 0	56 15	—	—	—	11 34 30	—	—	22 32						
							4 37 0	—	—	5 0						
							4 28 0	—	—	5 45						
							4 25 0	—	—	6 0						
							4 21 0	—	—	6 40						
							4 15 0	—	—	4 30	55 50		None.	—		
							4 12 0	—	—	3 50						
							4 8 0	—	—	5 0						
							4 5 6	—	—	4 40						
12	7 45	66 27 0	56 15	—	—	—	4 19 0	—	—	5 11						
							7 25 0	—	—	23 10						
							7 16 0	—	—	23 45						
							7 7 0	—	—	21 40						
							6 57 0	—	—	22 45	47 23		None.	—	The extremes of the land from NE. to SW, distance six leagues.	
							6 44 0	—	—	22 5						
							6 37 0	—	—	20 30						
13	8 0	65 58 0	55 49	—	—	—	7 0 40	—	—	22 19						
13	Noon.	66 7 0	54 43	58 49	53	4 6	—	—	—	—	—			—	Within one mile of the mouth of a rocky river, with a rapid tide	
14	Noon.	65 12 0	55 52	59 58	50	4 6	—	—	—	—	—			SBE	Land from E. to ENE. very high.	
15	Noon.	65 22 0	56 12	60 18	40	4 6	—	—	—	—	—			—	Hard gales with much rain, and a great sea, wind SWES, weather thick.	
16	Noon.	—	56 50	60 56	42	4 6	—	—	—	—	—			WSW	Thick close weather, with little wind.	
17	Noon.	65 22 0	55 29	59 35	44	4 6	—	—	—	—	—			SSW	Foggy weather.	
18	Noon.	65 3 0	54 2	58 58	—	4 6	—	—	—	—	—			—	The land like islands. Caught many large halibut.	
							—	—	—	—	—					Dip, mark end up, face E. 85 30 — — — face W. 84 40 Poles changed, face W. 85 0 — — — face E. 85 0
19	4 0	64 32 0	53 50	—	—	—	—	—	—	—	—			—		

A Track of His Majesty's armed Brig Lion, from Davis's Straits to the Coast of Labradore.

Days of the Month.	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	The ship's clock.	Error of common reck.	As read off quadrants		Distance observed.	Azimuths.	Variations.	Z. by Pol.	Errors of quadrant.	Winds.	Remarks, &c.
							☉'s alt.	☿'s alt.							
Aug. 19	Noon.	64 43	0 53 25	58 31	41	4 6	L. L.	U. L.							{ The land near Ball's River in sight, making in Islands.
							33 12	0 16 33	0 60	0 30					
							33 5	0 16 39	0 60	1 30					
							33 0	0 16 42	0 60	2 0					
							32 57	0 16 45	0 60	4 0					
							32 54	0 16 47	0 60	4 0					
							32 50	0 16 51	0 60	5 0					
							32 49	40 16 42	50 60	2 50					
							32 42	0 16 59	0 60	5 30					{ These observations are very good ones, yet as they give too little, and disagree with the rest, I did not pay much regard to them, nor alter the track, as I cannot answer for the working of them.
							32 36	0 17 3	0 60	6 0					
							32 31	0 17 7	0 60	7 0					
							32 27	0 17 10	0 60	8 0					
							32 22	0 17 12	0 60	9 0					
							32 20	0 17 14	0 60	10 0					
							32 29	40 17 7	30 60	7 35					
20	Noon.	64 33	0 54 35	58 41	-	4 6	-	-	-	-	-	-	-	-	{ A very heavy gale of wind, which obliged us to throw overboard the guns we had on deck.
							-	-	-	-	-	-	-	-	
21	Noon.	63 56	0 54 15	58 21	36	4 6	-	-	-	-	-	-	-	-	{ This night, for the first time (the gale being over and fine weather), few the aurora borealis, which began in the S.E. quarter, but was neither so strong nor so beautiful as in the Southern Hemisphere.
							5 30	0 10 40	0 84	9 0					
							5 19	0 10 38	0 84	11 0					
							5 6	0 10 36	0 84	11 0					
							4 54	0 10 32	0 84	12 0					{ By the observations on the 19th, I find the error of the common reckoning to have increased 53 miles, and by these to have increased 50 miles; therefore shall alter the track to the observations, as I think them a sufficient confirmation of the truth.
							4 42	0 10 25	0 84	11 0					
							4 28	0 10 23	0 84	13 0					
							4 59	50 10 32	20 84	11 10					
22	Noon.	62 19	0 53 4	58 3	44	4 59	-	-	-	-	-	-	-	-	{ High land E.S. distance as leagues, which was the last we saw.
							-	-	-	-	-	-	-	-	
23	Noon.	60 58	0 53 14	58 13	-	4 59	-	-	-	-	-	-	-	-	Moderate breezes, and no ice to be seen.
24	Noon.	60 2	0 52 28	57 27	46	4 59	-	-	-	-	-	-	-	ESE	Drizzle, with mists.
25	Noon.	58 4	0 52 46	57 45	52	4 59	-	-	-	-	-	-	-	E	Fresh gales.
26	Noon.	56 17	0 53 38	58 27	54	4 59	-	-	-	-	-	-	-	NE	Fresh gales.
27	Noon.	54 54	0 54 10	59 9	56	4 59	-	-	-	-	-	-	-	NE	Cloudy weather.
28	Noon.	53 4	0 53 15	58 14	56	4 59	-	-	-	-	-	-	-	-	Saw the first ice Islands on the Labrador.
29	Noon.	53 7	0 52 6	57 5	60	4 59	-	-	-	-	-	-	-	WNW	Much ice.
30	Noon.	53 33	0 53 9	58 8	60	4 59	-	-	-	-	-	-	-	SW	Much ice.
31	Noon.	53 25	0 53 58	58 57	-	4 59	-	-	-	-	-	-	-	-	{ Round Hill Island, bare NW. six or seven leagues, which being the eastern part of America, I make it to be in latitude 53 31 N. longitude 54 29 W. of Greenwich.
							-	-	-	-	-	-	-	-	

We anchored in Porcupine Harbour, where we staid until the 26th of September, and from thence proceeded to England; which being a common rout, I shall conclude with a few general observations on this part of the world, so little known and so terribly represented by people who, in order to raise their own merit, make dangers and difficulties of common occurrences; merely because the places are unknown, and there is little or no probability of their ever being contradicted. I do not mean this as a personal reflexion; but having discoursed with many of the masters of Greenland vessels, as well as their employers, and heard such dreadful stories of those countries, I cannot help remarking it as a circumstance equally foolish and ridiculous, tending to mislead those who from a laudable principle would be benefactors to their country, but are deterred from it by such representations; and I appeal to those series of facts for the truth of my assertion. The weather in Davis's Straits is, in the spring and autumn, boisterous; the seas run irregular, like the Gulph of Lions, and other places I could instance (that is short and high); occasioned (I imagine) by the narrowness of the Straits, the many impediments it meets with from the ice, and its being open to the southern parts of the Atlantic Ocean. As the south winds are always the strongest, bring thick weather, and the greatest sea, so the northern ones bring fine clear weather, and are seldom strong. I shall here finish these observations, with the particulars of them, &c. and shall communicate observations on the ice, the atmosphere, the land of Forbisher, and the probability of a north west passage, in a short time.

